Please substitute the following amended claims for the pending claims with the same numbers:

1   12.   (Once Amended) A method of identifying pixels inside a graphics primitive of a
2   raster image, comprising the steps of:
3   (a) determining whether a polygonal portion of the raster image is at least partly
4   inside the graphics primitive by using a coordinate reference frame located at a geometric
5   center of the polygonal portion;
6   (b) dividing the polygonal portion of the raster image into a predetermined
7   number of polygonal subportions if the polygonal portion of the raster image is at least
8   partly inside the graphics primitive;
9   (c) determining whether each polygonal subportion of the raster image is at least
10   partly inside the graphics primitive; and
11   (d) further dividing the polygonal subportion into a predetermined number of
12   polygonal subportions if the polygonal subportion is at least partly inside the graphics
13   primitive and is larger than a pixel.

1   14.   (Once Amended) The method of claim 12, wherein the determining step (a)
2   further comprises the step of receiving a plurality of values for corner vertices of the
3   polygonal portion and arithmetic edge functions, each of the arithmetic edge functions
4   corresponding to an edge of the graphics primitive.

4

1   20.   (Once Amended) An electronically-readable medium having embodied thereon a

2   program, the program being executable by a machine to perform method steps for

3   identifying pixels inside graphics primitives of a raster image, the method steps

4   comprising:

5   (a) determining whether a polygonal portion of the raster image is at least partly

6   inside the graphics primitive by using a coordinate reference frame located at a geometric

7   center of the polygonal portion;

8   (b) dividing the polygonal portion into a predetermined number of polygonal

9   subportions if the polygonal portion is at least partly inside the graphics primitive;

10   (c) determining whether the polygonal subportion is at least partly inside the

11 graphics primitive for each polygonal subportion; and

12   (d) dividing the polygonal subportion into a predetermined number of polygonal

13 subportions if the polygonal subportion is at least partly inside the graphics primitive and

14 the polygonal subportion is larger than a pixel.

1   22.   (Once Amended) A method of identifying pixels inside a graphics primitive of a

2   raster image comprising the steps of:

3   selecting a tile including a pixel;

4   defining a coordinate reference frame located at a geometric center of the tile;

5   determining if a portion of the tile is within the graphics primitive;

6   dividing the tile into subtiles if a portion of the tile is within the graphics

7   primitive; and

8   recursively dividing each subtile having a portion within the graphics primitive

9   until the subtile is equal in size to a pixel.

1 26.   (Once Amended) An electronically-readable medium having embodied thereon a

2 program, the program being executable by a machine to perform method steps for

3 identifying pixels inside graphics primitives of a raster image, the method steps

4 comprising:

5   selecting a tile including pixels;

6   defining a coordinate reference frame located at a geometric center of the tile;

7   determining if a portion of the tile is within the graphics primitive;

8   dividing the tile into subtiles if a portion of the tile is within the graphics

9 primitive; and

10   recursively dividing each subtile having a portion within the graphics primitive

11 until the subtile is equal in size to a pixel.